

Safety Recall 5923F – 2024 CX-90 Suspension and Steering Insufficient Bolt Torque**A. VEHICLE INSPECTION PROCEDURE – AND PREPERATION FOR REPAIR**

1. Verify that the vehicle is within the following ranges and there is a Not Launched or OPEN 5923F recall in eMDCS:

SUBJECT VEHICLES

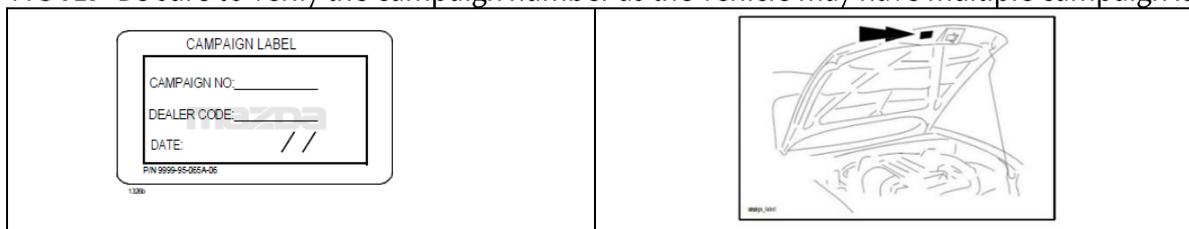
Model	Subject VIN range	Subject production date range
2024 CX-90	JM3 KK**** R1 103564 – 104820	From March 4, 2023 through March 11, 2023

The asterisk symbol "*" can be any letter or number. ONLY 18 vehicles are affected by this campaign.

- If the vehicle is one of the above listed ranges and 5923F is OPEN or Not Launched in eMDCS, proceed to Step 2. If the vehicle **does not** have an OPEN or Not Launched 5923F campaign, return vehicle to the customer or inventory.

2. Perform an eMDCS Warranty Vehicle Inquiry and inspect the vehicle for a Campaign Label with **5923F** attached to the vehicle's hood, driver door or firewall.

NOTE: Be sure to verify the campaign number as the vehicle may have multiple campaign labels.



eMDCS - Warranty Vehicle Inquiry Results:

If eMDCS displays:	Campaign Label is:	Action to perform:
If no repair date is displayed on the line with CAMPAIGN 5923F, it has not been completed on this vehicle	Present	Fill out Dealer Recall Help on OneMazda contact or the Mazda Warranty Department at warrantydept@mazdausa.com to review vehicle history.
	Not present	Proceed to "REPAIR PROCEDURE".
If repair date is displayed for CAMPAIGN 5923F is "CLOSED"	Present	Return vehicle to inventory or customer.
	Not present	Complete a label and apply to vehicle's hood with repair date and dealer code from eMDCS Warranty Inquiry.
CAMPAIGN 5923F is not displayed	See Action	The vehicle is not affected by Recall 5923F

GENERAL CAUTIONS/WARNINGS – PLEASE READ:



Air Bag Connectors and Battery Disconnect: Do not work on the vehicle without disconnecting the vehicle battery as this could result in damage to the vehicle or safety systems.

Customer Personal Items: If personal belongings need to be removed from vehicle interior trunk area or inside, please remember to neatly replace any customer items in the same location after the repair is completed.

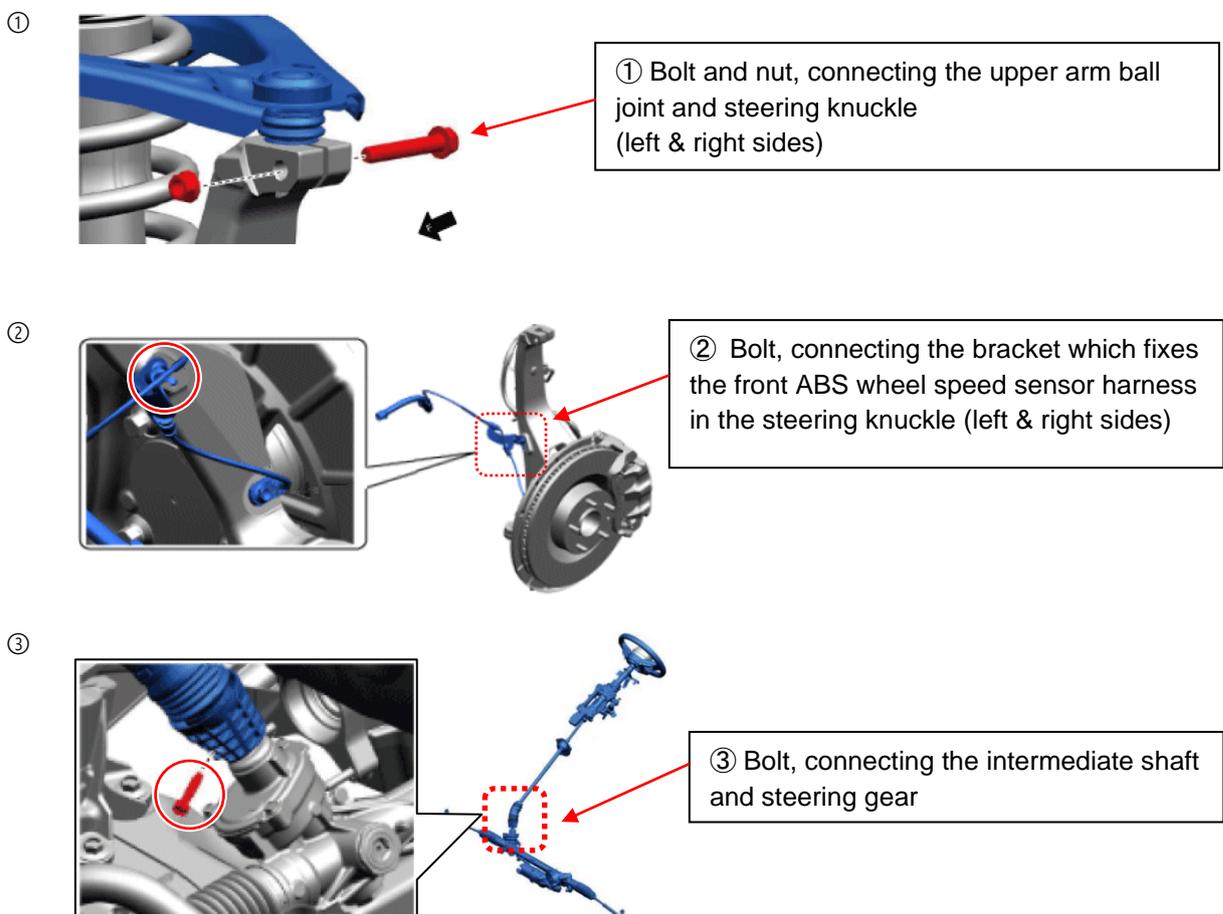
Damage to interior or exterior: Care should be taken, and protective cover(s) used when working on any Mazda vehicle. Damage to any components, interior trim, body panels and paint will not be reimbursed by Mazda.

All of these items above could delay repairs, compromise safety, as well as negatively affect the customer experience and Mazda dealer-customer relationship.

REPAIR OUTLINE

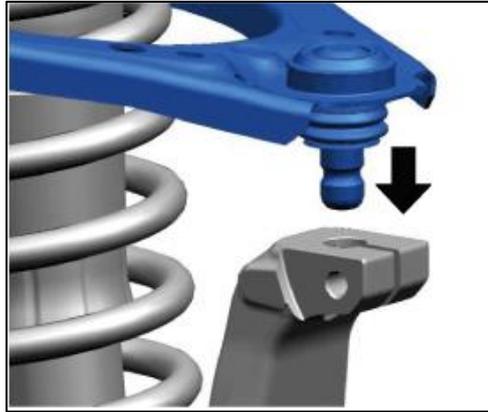
- Check the fastening torques of all bolts ① to ③ in the figures above (at 5 portions), and ensure all bolts are torqued to proper specification.
- If any bolts or nuts are missing at time of inspection, install new parts and torque them to proper specification.

NOTE: If the bolt ② for front ABS sensor is missing, please contact Dealer Recall Help on OneMazda.

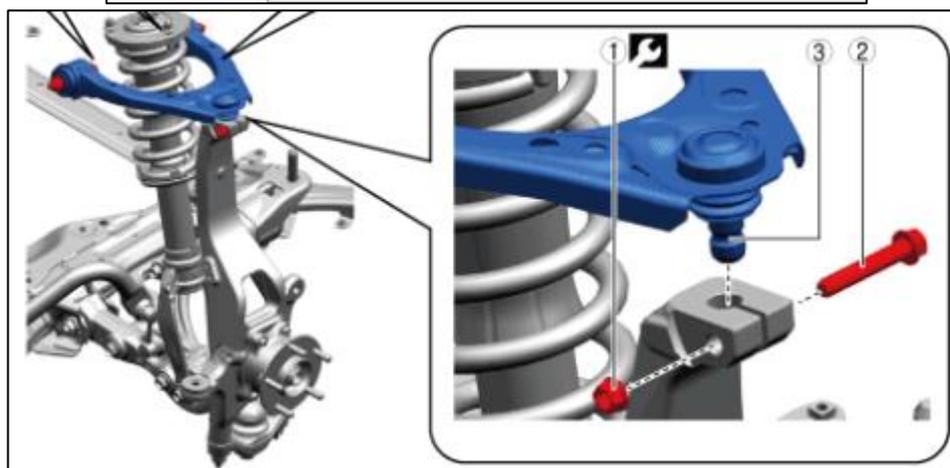
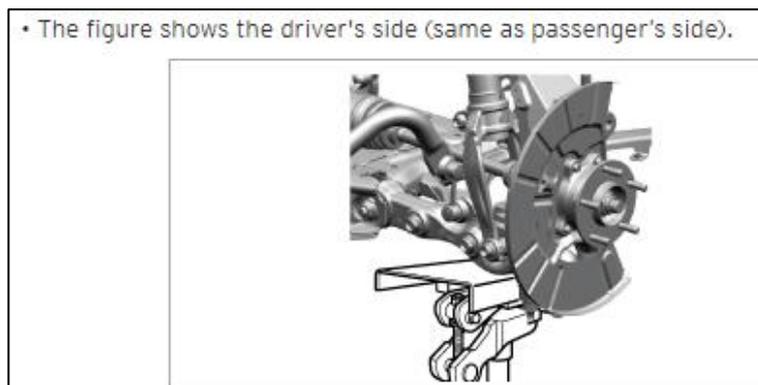
Potentially affected bolts:

B. REPAIR PROCEDURE

- A) Inspect and Tighten the LH and RH Front Upper Control Arm Ball Joint Bolt to Steering Knuckle and ensure the ball joint is fully inserted into the Steering Knuckle
- a. Torque the Bolt to 42.5 N·m {4.3 kgf·m, 31.15 ft·lbf}
- The figure shows the driver's side (same as passenger's side)



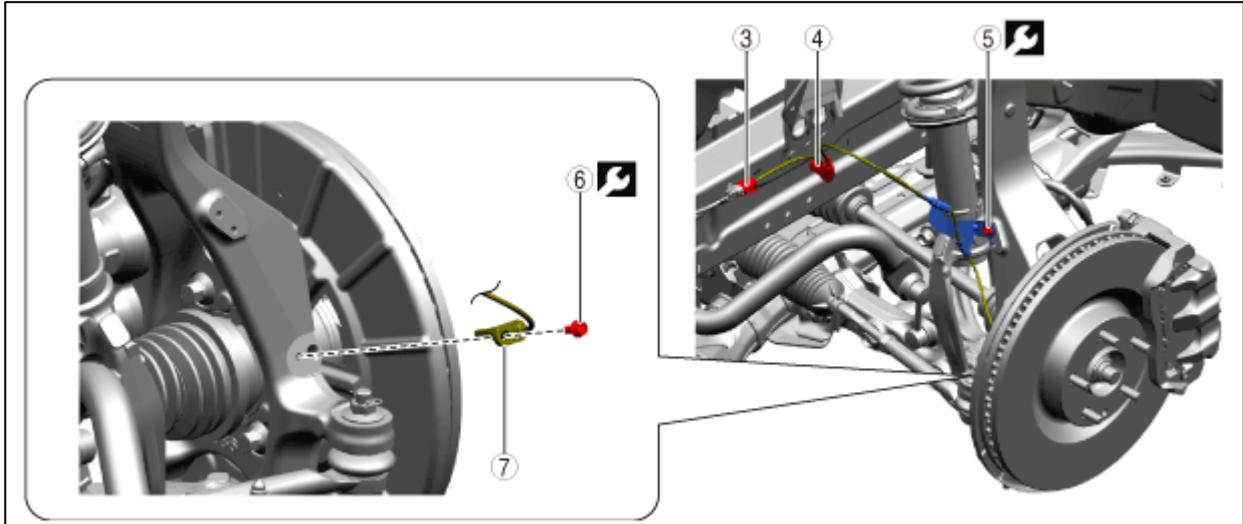
NOTE: If the ball joint was not fully inserted or the bolt is loose, place a jack under the lower control arm to load the suspension and ensure that the upper control arm ball joint is fully inserted before tightening.



Procedure	Part name	Applicable condition	Torque Specification
1	Nut	Continuous	42.5 N·m {4.3 kgf·m, 31.15 ft·lbf}
2	Bolt	Continuous	—
3	Front upper arm ball joint	Continuous	—

Replace any missing bolts or nuts

- B) Inspect and Tighten the LH and RH Front ABS Wheel Sensor Bracket to the Steering Knuckle to 9.5 N·m {95 kgf·cm, 82 in·lbf}. Inspect Bolt 5 and Bolt 6.

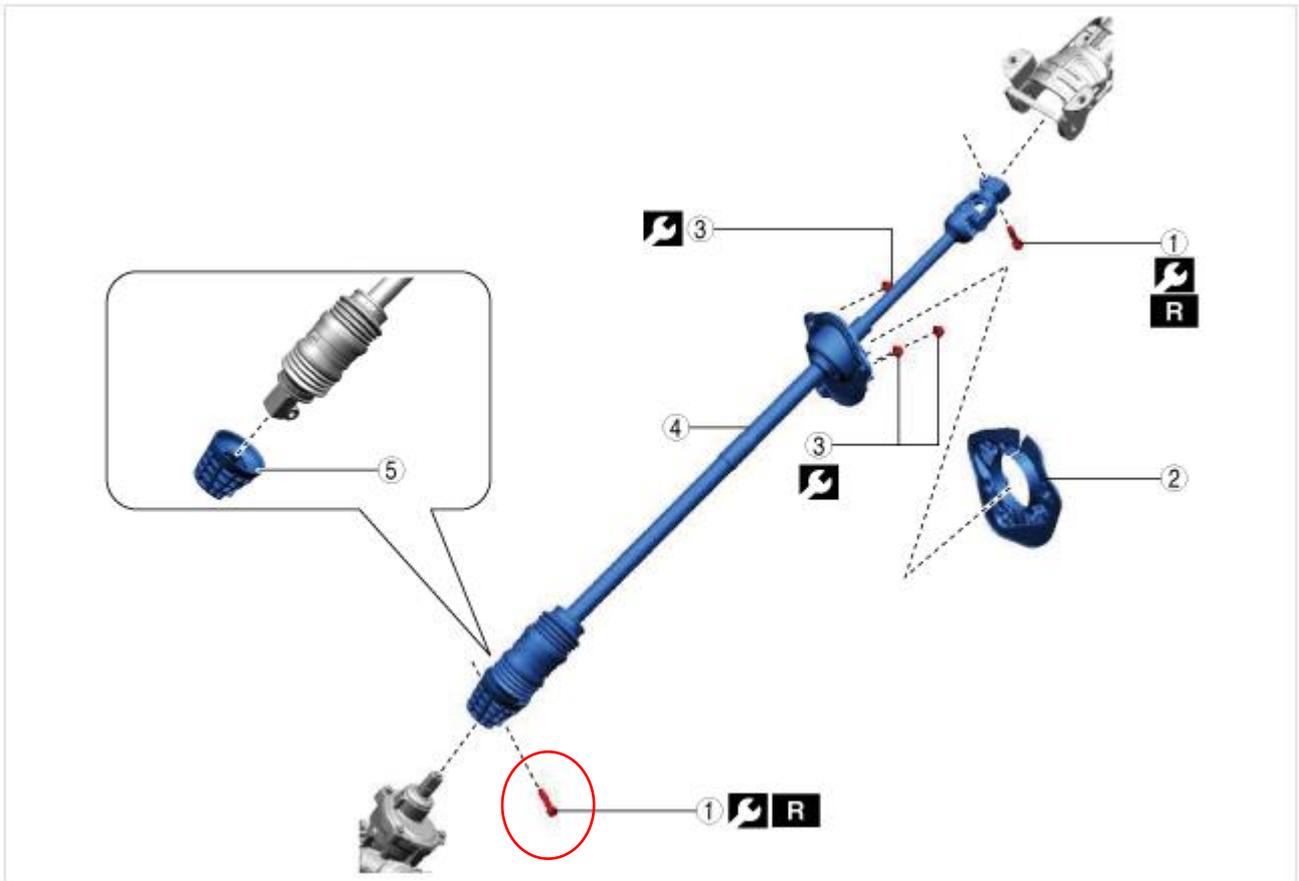


5	Bolt	Continuous	9.5 N·m {95 kgf·cm, 82 in·lbf}
6	Bolt	Continuous	9.5 N·m {95 kgf·cm, 82 in·lbf}

Note: If either bolt is missing, replace the ABS Wheel Sensor and the missing bolt. Follow the WSM procedure on MGSS if the bolt is missing.

- C) Inspect and Tighten the Intermediate Steering Shaft Bolt to Steering Gear to 29 N·m {2.95 kgf·m, 21.4 ft·lbf}. Note this bolt is a "R" part but can be tightened if not torqued to spec. Access to this bolt is located in the engine bay.

NOTE: Rotate the steering wheel until the joint bolt on the steering column side and steering gear side reaches the removal position.



Procedure	Part name	Applicable condition		Torque Specification
1	Joint bolt	Continuous	Replacement part	29 N·m {2.95 kgf·m, 21.4 ft·lbf}



- D) Reinstall both front wheels, clean off any fingerprints and test drive for proper operation.
- E) Proceed to campaign label in section C

C. CAMPAIGN LABEL INSTALLATION

- a. Fill out a Black "Campaign Label" (9999-95-055A-06) with Campaign No: "5923F", your dealer code, today's date.

CAMPAIGN LABEL

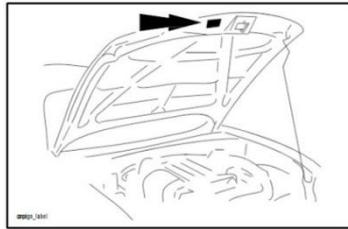
CAMPAIGN NO: _____

DEALER CODE: _____

DATE: ____ / ____ / ____

PIN 9999-95-055A-06

- b. Affix it to the hood as shown:



END OF REPAIR PROCEDURE